

Interference Search

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L15	9	548/311.7	US-PGPUB	OR	ON	2007/02/28 11:44
L16	664	514/397	US-PGPUB	OR	ON	2007/02/28 11:44
L17	61	l16 and imidazoline	US-PGPUB	OR	ON	2007/02/28 11:47
L18	19	548/266.4	US-PGPUB	OR	ON	2007/02/28 11:48
L19	36	548/526	US-PGPUB	OR	ON	2007/02/28 11:47
L20	477	514/383	US-PGPUB	OR	ON	2007/02/28 11:48
L21	32	l20 and imidazoline	US-PGPUB	OR	ON	2007/02/28 11:49
L22	635	514/422	US-PGPUB	OR	ON	2007/02/28 11:49
L23	28	l22 and imidazoline	US-PGPUB	OR	ON	2007/02/28 11:49

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	149	548/311.7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/28 11:38
L2	11	l1 and (imidazoline)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/28 11:39
L3	125	548/266.4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/28 11:39
L4	5	l3 and imidazoline	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/28 11:39
L5	341	548/526	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/28 11:39
L6	10	l5 and imidazoline	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/28 11:39
L7	2448	514/397	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/28 11:39
L8	200	l7 and imidazoline	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/28 11:40
L9	31	l8 and ocular	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/28 11:41

EAST Search History

L10	2148	514/383	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/28 11:41
L11	91	l10 and imidazoline	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/28 11:41
L12	11	l11 and ocular	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/28 11:41
L13	2569	514/422	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/28 11:41
L14	68	l13 and imidazoline	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/28 11:41

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MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8
NEWS X25	X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 11:27:22 ON 28 FEB 2007

=> fil reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 11:27:28 ON 28 FEB 2007
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STRUCTURE FILE UPDATES: 27 FEB 2007 HIGHEST RN 923673-01-2
DICTIONARY FILE UPDATES: 27 FEB 2007 HIGHEST RN 923673-01-2

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TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

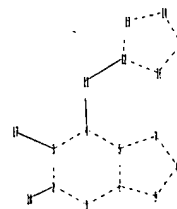
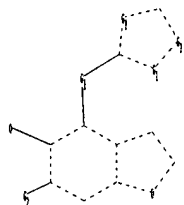
REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>
Uploading C:\Program Files\Stnexp\Queries\10525410final.str

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10525410final



chain nodes :

11

ring nodes :

1 2 3 4 5 6 7 8 9 12 13 14 15 16

ring/chain nodes :

17 18

chain bonds :

4-11 11-12

ring/chain bonds :

2-18 3-17

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 12-13 12-16 13-14 14-15 15-16

exact/norm bonds :

1-2 1-6 2-3 2-18 3-4 3-17 4-5 4-11 5-6 5-7 6-9 7-8 8-9 11-12 12-13
12-16 13-14 14-15 15-16

isolated ring systems :

containing 12 :

G1:C,N

G2:C,H

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 11:CLASS
12:Atom 13:CLASS 14:Atom 15:CLASS 16:CLASS 17:CLASS 18:CLASS

L1 STRUCTURE UPLOADED

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=> ld

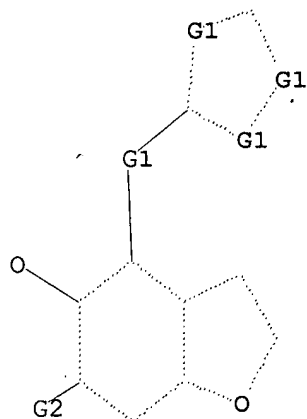
LD IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> d

L1 HAS NO ANSWERS

L1 STR



G1 C,N

G2 C,H

Structure attributes must be viewed using STN Express query preparation.

=> s l1 full

FULL SEARCH INITIATED 11:27:50 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 187890 TO ITERATE

100.0% PROCESSED 187890 ITERATIONS (1 INCOMPLETE) 8 ANSWERS
SEARCH TIME: 00.00.01

L2 8 SEA SSS FUL L1

=> fil caplus

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
172.10	172.31

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 11:27:55 ON 28 FEB 2007

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FILE COVERS 1907 - 28 Feb 2007 VOL 146 ISS 10
FILE LAST UPDATED: 27 Feb 2007 (20070227/ED)

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<http://www.cas.org/infopolicy.html>

=> s l2

L3 3 L2

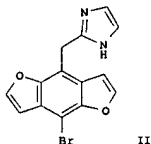
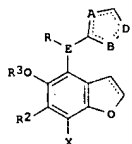
=> d ibib abs hitstr tot

L3 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2003:51144 CAPLUS
 DOCUMENT NUMBER: 139:85345
 TITLE: Preparation of novel benzodifuranimidazolines and benzofuranimidazolines for the treatment of glaucoma
 INVENTOR(S): Feng, Zixia; Hellberg, Mark R.
 PATENT ASSIGNEE(S): Alcon, Inc., Switz.
 SOURCE: PCT Int. Appl., 33 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003053436	A1	20030703	WO 2002-US39316	20021209
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR				
TW 593302	B	20040621	TW 2002-91134883	20021129
CA 2469904	A1	20030703	CA 2002-2469904	20021209
AU 2002353088	A1	20030709	AU 2002-353088	20021209
EP 1455780	A1	20040915	EP 2002-790063	20021209
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
BR 2002015172	A	20041019	BR 2002-15172	20021209
CN 1606441	A	20050413	CN 2002-825464	20021209
JP 200551103	T	20050312	JP 2003-554193	20021209
ZA 2004004473	A	20050607	ZA 2004-4473	20040607
US 2006009503	A1	20060112	US 2005-525410	20050128
PRIORITY APPLN. INFO.:			US 2001-343378P	P 20011220
			WO 2002-US39316	W 20021209

OTHER SOURCE(S): MARPAT 139:85345
 GI



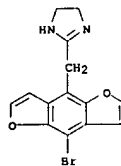
L3 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2001:848926 CAPLUS
 DOCUMENT NUMBER: 136:119162
 TITLE: Preparation and characterization of a new solvent-free polymer electrolyte based on spiroketal structure
 AUTHOR(S): Tsutsumi, Hiromori; Shirotani, Rumiko; Onimura, Kenjiro; Oishi, Tsutomu
 CORPORATE SOURCE: Department of Applied Chemistry and Chemical Engineering, Faculty of Engineering, Yamaguchi University, Yamaguchi, 755-8611, Japan
 SOURCE: Electrochemical and Solid-State Letters (2001), 4(12), A195-A196
 CODEN: ESLEF6; ISSN: 1099-0062
 PUBLISHER: Electrochemical Society
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB Solvent-free solid polymer electrolytes based on spiroketal structure were prepared and their properties were confirmed by conductance, differential scanning calorimetry, and X-ray diffraction measurements. The spiroketal was synthesized from the bicyclic diketone and pentaerythritol. The spiro-polyketal (SP) dissolves lithium perchlorate and the conductivity of the (SP)1.5(LiClO4)1 complex is 4.24×10^{-5} S cm⁻¹ at 30° and 3.83×10^{-4} S cm⁻¹ at 60°.
 IT 391671-11-7P
 RL: POF (Polymer in formulation); PRP (Properties); SPN (Synthetic preparation); PREP (Preparation); USES (Uses)
 (Preparation and characterization of a new solvent-free polymer electrolyte based on spiroketal structure)
 RN 391671-11-7 CAPLUS
 CN Poly(3'-'a,6'-'a-diethyltetrahydrodispiro[1,3-dioxane-5,5'-(1,3)dioxane-2',2'-(1'-'H)-pentalene]-2,5'-(3'-'H)-diylidene) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
 REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
 FORMAT

L3 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

AB The title compds. [I; A, B, D = N, C, with the proviso that at least one of A, B or D = N; E = C, N; R = H, alkyl; R2, R3 = H, alkyl, alkenyl; or R2 and R3 together can form 5-6 membered ring; X = H, halo, alkyl, CF3], useful for lowering intraocular pressure and providing ocular neuroprotection, were prepared E.g., a multi-step synthesis of II.HCl, starting with bis(2-hydroxyethyl)hydroquinone, was given. The compound II.HCl showed IC50 of 0.46 nM and 6.4 nM against 5-HT2 and 5-HT1A receptor binding, resp. The compound II.HCl showed EC50 of 110 nM against α 2A receptor binding. The pharmaceutical compns. comprising compds. I were claimed.
 IT 554402-13-0P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (Preparation of novel benzodifuranimidazolines and benzofuranimidazolines for the treatment of glaucoma)
 RN 554402-13-0 CAPLUS
 CN 1H-Imidazole, 2-[(8-bromobenzo[1,2-b:4,5-b']difuran)methyl]-4,5-dihydro-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

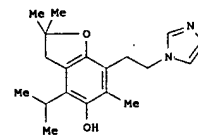
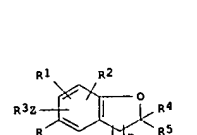
REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
 FORMAT

L3 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1995:543579 CAPLUS
 DOCUMENT NUMBER: 122:314550
 TITLE: Preparation of (imidazolylalkyl)benzofurans and analogs as TXA2 synthetase and 5-lipoxygenase inhibitors and oxygen scavengers
 INVENTOR(S): Ohuchida, Shuichi; Nambu, Fumio; Toda, Masaaki
 PATENT ASSIGNEE(S): Ono Pharmaceutical Co., Ltd., Japan
 SOURCE: Eur. Pat. Appl., 151 pp.
 CODEN: EPFXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 640609	A1	19950301	EP 1994-306175	19940822
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
CA 2117551	A1	19950225	CA 1994-2117551	19940823
JP 07112980	A	19950502	JP 1994-221003	19940823
US 5534536	A	19960709	US 1994-294015	19940823
TW 403743	B	20000901	TW 1994-83107705	19940823
CN 1110969	A	19951101	CN 1994-117330	19940824
KR 192134	B1	19990615	KR 1994-20872	19940824
US 5750544	A	19980512	US 1996-635318	19960419
PRIORITY APPLN. INFO.:			JP 1993-231004	A 19930824
			US 1994-294015	A3 19940823

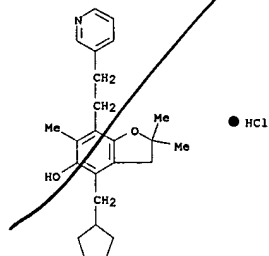
OTHER SOURCE(S): MARPAT 122:314550
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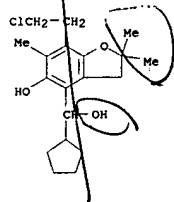
AB Title compds. [I; R = OH, alkoxy, OBz, (di)(alkyl)amino, etc.; R1, R2 = H, halo, (cyclo)alkyl, alkoxy, etc.; R3 = 1 or 2 N-containing heterocyclyl; R4, R5 = H, (phenyl)alkyl; CR4R5 = cycloalkyl; Z = alk(en)ylene, alkyleneoxy, (CH2)1-6O2; Z1 = 1,4-phenylene; n = 1-3] were prepared Thus, title compound II.HCl, prepared in 14 steps from 3-isopropyl-5-methylphenol, gave 74 and 92% inhibition of LTB4 and TXB2 production in whole human blood at 10 μ M in vitro.
 IT 162962-70-1P
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological)

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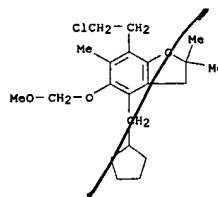
L3 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);
 BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prepn. of (imidazolylalkyl)benzofurans and analogs as TXA2 synthetase
 and 5-lipoxygenase inhibitors and oxygen scavengers)
 RN 162962-70-1 CAPLUS
 CN 5-Benzofuranol,
 4-(cyclopentylmethyl)-2,3-dihydro-2,2,6-trimethyl-7-[2-(3-
 pyridinyl)ethyl]-, hydrochloride (9CI) (CA INDEX NAME)



IT 162963-70-4P 162963-71-5P 162963-72-6P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (preparation of (imidazolylalkyl)benzofurans and analogs as TXA2
 synthetase
 and 5-lipoxygenase inhibitors and oxygen scavengers)
 RN 162963-70-4 CAPLUS
 CN 4-Benzofuranmethanol, 7-(2-chloroethyl)- α -cyclopentyl-2,3-dihydro-5-
 hydroxy-2,2,6-trimethyl- (9CI) (CA INDEX NAME)



L3 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 RN 162963-71-5 CAPLUS
 CN Benzofuran, 7-(2-chloroethyl)-4-(cyclopentylmethyl)-2,3-dihydro-5-
 (methoxymethoxy)-2,2,6-trimethyl- (9CI) (CA INDEX NAME)



RN 162963-72-6 CAPLUS
 CN Benzofuran,
 4-(cyclopentylmethyl)-7-ethenyl-2,3-dihydro-5-(methoxymethoxy)-
 2,2,6-trimethyl- (9CI) (CA INDEX NAME)

